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Sent: Tuesday, May 26, 2020 10:17 AM

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Subject: [Non-DoD Source] HPNS Parcel E Phase 1 and Phase 3 Weekly CQC Meetings

Attachments: D2005 CTO 0024 Project QC Meeting 022 Parcel E Phase 1 Agenda 2020-0526.pdf; D0006 CTO 4761 Project QC Meeting 007 Parcel E Phase 3 052620 Agenda_Rev2.pdf

Attached please find the materials for the Phase 1 and Phase 3 Weekly CQC Meetings.

Regards,

Kevin

Kevin Hoch

Quality Control Manager

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Project QC Meeting #006 Agenda (05/26/2020)
Parcel E Remedial Action – Phase 3
Hunters Point Naval Shipyard, San Francisco, CA
Contract N62473-17-D-0006 CTO 4761

Call-in number: (b) (4)

Start: 1120

End:

Safety Topic: Heat Stress

Old Business

Submittals

- Submittal 001 - Rebar for Seawall
 - Submitted to Navy for informational purposes only on 2/17/20
- Submittal 002 – Shoring Design
 - Approved by Navy on 03/24/20
- Submittal 003 – Slurry Mix Design
 - Approved by Navy on 02/27/20
- Submittal 004 – Import Fill (Stanford Pile)
 - Approved by Navy on 03/24/20
- Submittal 005 – Drain Rock (Virgin Source Material - Vulcan Pilarcitos Quarry in Half Moon Bay and Hanson Aggregates Sunol Quarry)
 - Approved by Navy on 03/24/20
- Submittal 006 – Rip Rap Armor Stone (Product data sheets/test reports)
 - Approved by Navy 5/18/20
- Submittal 007 – Slurry Wall Implementation Plan
 - Approved by Navy 5/18/20

New Business

Status of Work

- Continued topographic survey
- Continued clearing surface debris, IR02 Northwest Slurry Wall and completed rough cut of working platform
- Conducted Surface Debris Radiological Characterization
- Completed shoreline excavations (collected confirmation samples and backfilled within tidal cycle):
 - EX02NSL01
 - EX02NSL02
- Started shoreline excavation:
 - EX02NSL03
- Re-anchored turbidity curtain
- Received sheet pile, completed incoming scans on pile received
- Received approved coarse sand for backfill of shoreline excavations
- Site maintenance ongoing (BMPs, fencing, etc.)
- Ongoing upwind and downwind continuous air monitoring, as well as work area real-time dust monitoring using personal data RAMs (pDRs)

Project QC Meeting #006 Agenda (05/26/2020)
Parcel E Remedial Action – Phase 3
Hunters Point Naval Shipyard, San Francisco, CA
Contract N62473-17-D-0006 CTO 4761

Navy QA Oversight Update

- Biologists
- UXO
- RAD

Visitors

- Hamid Naimi – Navy ROICC
- Doug Delong – Navy CSO
- Jamie DelPozzo – BioMaAS
- Dave McMurdo – Bellecci
- Tim Hughes – BB Hughes Construction
- Luis Gonzalez – JRM

Work to be accomplished the remainder of this week

- Continue clearing surface debris, IR02 Northwest Slurry Wall alignment
- Complete shoreline excavations (confirmation sampling, backfill, within tidal cycle):
 - EX02NSL03
 - EX02NSL04
- Continue receiving approved import fill (coarse sand)
- Continued Surface Debris Radiological Characterization
- Install water line (above ground)
- Daily air monitoring
- Site maintenance (BMPs, fencing, etc.)

Work to be accomplished in the next two weeks (See attached 2-week look ahead)

- Install water tanks and down-post area for slurry wall batch plant
- Install Sheet Pile Wall along IR-02 Northwest slurry wall alignment
- Clear and Grub, Clear Surface Debris in EOS-1, EOS-3, & EOS-4
- Radiological Screening of Surface Debris
- Daily air monitoring
- Site maintenance (BMPs, fencing, etc.)

Inspections

Preparatory

- None

Initial

- None

Follow-up

- Dust Control and Air Monitoring
- Radiological Controls
- Pre-con Topographical Survey
- Clear IR02 Shoreline Debris

Project QC Meeting #006 Agenda (05/26/2020)
Parcel E Remedial Action – Phase 3
Hunters Point Naval Shipyard, San Francisco, CA
Contract N62473-17-D-0006 CTO 4761

- Install IR02-NW Shoring, Working Platform
- UXO Construction Oversight

Off-site Work or Materials Testing

- None

Additional Documentation Required

- None

QC, Production Issues

- None

Safety Issues

- All work was completed safely with no accidents or near misses reported.

Items That May Require Revising Project Plans

- None

Action Items

- None

Comments/Questions

Current Week and Two Week Look Ahead*

Parcel E Remedial Action – Phase 3
 Hunters Point Naval Shipyard, San Francisco, CA
 Contract N62473-17-D-0006 CTO 4761

05/25/2020 Monday	05/26/2020 Tuesday	05/27/2020 Wednesday	05/28/2020 Thursday	05/29/2020 Friday	05/30/2020 Saturday	05/31/2020 Sunday
<ul style="list-style-type: none"> Memorial Day – No Fieldwork 	<ul style="list-style-type: none"> Weekly CQC Meeting Prepare for sheet pile installation Install water line Clear and Grub, Clear Surface Debris in EOS-1, EOS-3, & EOS-4 Conduct shoreline excavation/backfill <ul style="list-style-type: none"> EX02NSL03 EX02NSL04 Collect confirmation samples Soil stockpile Rad Controls and support (all week) UXO support (all week) Air monitoring (all week) BMP Inspection/ site maintenance (Daily) 	<ul style="list-style-type: none"> Install water line Clear and Grub, Clear Surface Debris in EOS-1, EOS-3, & EOS-4 Continue shoreline excavation/backfill <ul style="list-style-type: none"> EX02NSL04 Collect confirmation samples Soil stockpile Prepare for sheet pile installation 	<ul style="list-style-type: none"> Install water line Prepare for sheet pile installation Clear and Grub, Clear Surface Debris in EOS-1, EOS-3, & EOS-4 	<ul style="list-style-type: none"> Install water line Prepare for sheet pile installation Clear and Grub, Clear Surface Debris in EOS-1, EOS-3, & EOS-4 	No fieldwork	No fieldwork
06/01/2020 Monday	06/02/2020 Tuesday	06/03/2020 Wednesday	06/04/2020 Thursday	06/05/2020 Friday	06/06/2020 Saturday	06/07/2020 Sunday
<ul style="list-style-type: none"> Install Sheet Pile Wall along IR-02 shoreline Clear and Grub, Clear Surface Debris in EOS-1, EOS-3, & EOS-4 Rad Controls and support (all week) UXO support (all week) Air monitoring (all week) BMP Inspection/ site maintenance (Daily) 	<ul style="list-style-type: none"> Weekly CQC Meeting Install Sheet Pile Wall along IR-02 shoreline Clear and Grub, Clear Surface Debris in EOS-1, EOS-3, & EOS-4 	<ul style="list-style-type: none"> Install Sheet Pile Wall along IR-02 shoreline Clear and Grub, Clear Surface Debris in EOS-1, EOS-3, & EOS-4 	<ul style="list-style-type: none"> Install Sheet Pile Wall along IR-02 shoreline Clear and Grub, Clear Surface Debris in EOS-1, EOS-3, & EOS-4 	No fieldwork	No fieldwork	No fieldwork
06/08/2020 Monday	06/09/2020 Tuesday	06/10/2020 Wednesday	06/11/2020 Thursday	06/12/2020 Friday	06/13/2020 Saturday	06/14/2020 Sunday
<ul style="list-style-type: none"> Install Sheet Pile Wall along IR-02 shoreline Clear and Grub, Clear Surface Debris in EOS-1, EOS-3, & EOS-4 Rad Controls and support (all week) UXO support (all week) Air monitoring (all week) BMP Inspection/ site maintenance (Daily) 	<ul style="list-style-type: none"> Weekly CQC Meeting Install Sheet Pile Wall along IR-02 shoreline Clear and Grub, Clear Surface Debris in EOS-1, EOS-3, & EOS-4 	<ul style="list-style-type: none"> Install Sheet Pile Wall along IR-02 shoreline Large Debris Radiological Screening in EOS-1, EOS-3, & EOS-4 	<ul style="list-style-type: none"> Install Sheet Pile Wall along IR-02 shoreline Large Debris Radiological Screening in EOS-1, EOS-3, & EOS-4 	No fieldwork	No fieldwork	No fieldwork

*Subject to change based on field conditions

Project QC Meeting #022 Agenda (05/26/2020)
Parcel E Remedial Action – Phase 1
Hunters Point Naval Shipyard, San Francisco, CA
Contract N62473-12-D-2005 CTO 0024

Call-in number: (b) (4)

Start: 1100

End:

Safety Topic: Heat Stress

Old Business

Field Change Requests (FCR)

- 001: Existing SS/SD lines in RA excavations – Navy Approved (05/01/20)
- 002: ISO-Pacific Soil Sorting System (S3) Proof of Concept Demonstration.
 - Approval was received by APTIM on 12/31.
- 003: Former SS/SD trenches in RA excavations - **In Navy review**
- 004: Excavation Dewatering - Navy approved 3/12
- 005: Addition of back-up laboratory (Enthalpy) to expedite TAT –Navy RPM approved 3/12/2020. SAP addendum (FCR) submitted 3/13/2020 to QAO. 4/17/20 – canceled as Enthalpy lab closed (permanently out of business)
- 006: Impacts of the radiological rework areas on non-excavation, intrusive RA activities (i.e. well installation/decommissioning, GW injections, and soil gas surveys). APTIM prepared draft FCR; but on hold as need Navy to confirm extent of rework areas and potential limitations to planned Phase 1 RA work outside of IR-02 to identify impacts. – **on hold**

Submittals

- Submittal 001 – Import Fill (Stanford Pile)
 - Approved by Navy on 12/19/19; CDPH 01-08-2020
- Submittal 002 – Drain Rock (Virgin Source Material - Vulcan Pilarcitos Quarry in Half Moon Bay and Hanson Aggregates Sunol Quarry)
 - Approved by Navy on 02/27/2020

New Business

Status of Work

- Continued land survey (excavation footprint)
- Continued transferring soil to RSY Pads and preparing for radiological surveys
- Conducted pre-excavation gamma-walkover surveys
- Continued excavation:
 - EX02B122B_R1
 - Much debris (wood, metal, etc)
 - Found 1 LLRO (Sound Powered Telephone Jack Box)
- Started excavations:
 - EX02B122B_R2
 - Much debris (wood, metal, etc)
 - Found 1 LLRO (deck marker)
 - EX02B401
 - EX02B412
 - Identified suspect asbestos tile and other debris

Project QC Meeting #022 Agenda (05/26/2020)
Parcel E Remedial Action – Phase 1
Hunters Point Naval Shipyard, San Francisco, CA
Contract N62473-12-D-2005 CTO 0024

- Completed RSY Pad gamma walkover surveys (RSY Pads D02 and D04)
- Collected 18 systematic samples (RSY Pad D02)
- Waste stockpiling
- Site maintenance (BMPs, fencing, etc.)
- Conducted upwind and downwind continuous air monitoring as well as work area real-time dust monitoring using personal data RAMs (PDRs).

Analytical Results

- See attached, new results are highlighted

Navy QA Oversight Update

- Biologists
- UXO
- RAD

Visitors

- Hamid Naimi – Navy ROICC
- Doug Delong – Navy CSO
- Jamie DelPozzo – BioMaAS
- Dave McMurdo – Bellecci
- Luis Gonzalez – JRM

Work to be accomplished the remainder of this week

- Continue excavation EX02B122B_R1 and R2 (ESS/RAD)
- Complete excavation EX02B412, EX02B401, EX02B456
 - Conduct post-excavation sampling
 - Waste stockpiling
- Receive import fill (coarse sand for shoreline excavations)
- Air monitoring, site maintenance (BMPs, fencing, etc.)

Work to be accomplished in the next two weeks (See attached 2-week look ahead)

- Continue excavations in EOS-01 and EOS-2
- Conduct backfilling of excavations as appropriate
- Load, place on RSY Pads, and gamma walkover survey of excavated soil
 - Conduct GWS Follow-up Investigations
 - Collect Systematic & Biased samples
- Conducted upwind and downwind continuous air monitoring as well as work area real-time dust monitoring using personal data RAMs (PDRs).
- Site maintenance (BMPs, fencing, etc.)

Project QC Meeting #022 Agenda (05/26/2020)
Parcel E Remedial Action – Phase 1
Hunters Point Naval Shipyard, San Francisco, CA
Contract N62473-12-D-2005 CTO 0024

Inspections

Preparatory

- None

Initial

- None

Follow-up

- Debris Removal-Vegetation Clearance
- Dust Control and Air Monitoring
- Radiological Controls
- UXO Construction Oversight
- Soil Excavations
- Initial Radiological Surveys, RSY Pads
- Backfill and compaction

Off-site Work or Materials Testing

- None

Additional Documentation Required

- None

QC, Production Issues

- None

Safety Issues

- All work was completed safely with no accidents or near misses reported.

Items That May Require Revising Project Plans

- None

Action Items

Comments/Questions

Analytical Results
Final Confirmation Soil Samples
Remedial Action at Parcel E - Phase 1
Hunters Point Naval Shipyard, San Francisco, California
Contract N62473-12-D-2005 CTO 0024

Excavation ID	Date Sampled	Meets Tier 2 Criteria	Chemicals of Concern	Comments
EX02B122E	5/13/20	N	Lead, Aroclor-1260, Dieldrin	Aroclor-1260 (12mg/kg) exceeded T2 criteria (3.7mg/kg) in floor sample
EX02B403	5/13/20	Y	Manganese	
EX02B405	5/6/20	Y	Zinc	
EX02B442	5/6/20	Y	Aroclor-1260	
EX36B015	11/22/19	Y	Copper, Mercury, TPH	
EX36B033	11/22/19	Y	Copper, Mercury, TPH	
EX36B163	11/22/19	N	alpha-BHC (pest.), copper, mercury	1 sidewall exceeded Tier 2 criteria for Cu. Plan to conduct step-out excavation. ^a
EX36B116	11/25/19	Y	SVOCs	
EX04B030 – Pre-characterization	12/10/19	N		
			PCBs, metals	3 sidewalls exceeded Tier 2 criteria. Plan to extend excavation on 3 sides to 2 feet beyond pre-characterization locations.
EX13B007	12/10/19	N	PCBs	
				PCB above limit in 3 sidewalls
EX72SS23	12/10/19	Y	Zinc	
EX01SS350	12/10/19	N	PCBs	PCB above limit in all 4 sidewalls and bottom
EX56B021	12/30/19	Y	Mercury	

Notes:

Table presents confirmation samples unless otherwise noted.

^a Based on pre-characterization sample results, sidewall will be over-excavated 2-feet back from the original sidewall and laterally (5-feet on each side of confirmation sample location). A confirmation sample will be collected at the same depth as the original pre-characterization sample and analyzed for the constituent that exceeded Tier 2 criteria in the original pre-characterization sample. See Section 8.3.6 of RAWP and Section 17.1.2 of the SAP

Current Week and Two Week Look Ahead*

Parcel E Remedial Action – Phase 1
 Hunters Point Naval Shipyard, San Francisco, CA
 Contract N62473-12-D-0005 CTO 0024

05/25/2020 Monday	05/26/2020 Tuesday	05/27/2020 Wednesday	05/28/2020 Thursday	05/29/2020 Friday	05/30/2020 Saturday	05/31/2020 Sunday
<ul style="list-style-type: none"> Memorial Day – No Fieldwork 	<ul style="list-style-type: none"> Weekly CQC Meeting Continue excavations: <ul style="list-style-type: none"> EOS-01 (RAD) <ul style="list-style-type: none"> EX02B412 EOS-02 (RAD) <ul style="list-style-type: none"> EX02B401 Start excavation EX02B465 Post excavation sampling Waste stockpiling Receive import fill (sand) Rad Controls and support (all week) UXO support (all week) Air monitoring (all week) BMP Inspection/site maintenance (Daily) 	<ul style="list-style-type: none"> Pre-Excavation GWS Continue excavations: <ul style="list-style-type: none"> EOS-01 (RAD/ESS) <ul style="list-style-type: none"> EX02B112B_R2 EOS-1 (RAD) <ul style="list-style-type: none"> EX02B456 Post excavation sampling Waste stockpiling GWS Follow-up Investigations RAD Sample (Systematic & Biased) 	<ul style="list-style-type: none"> Continue excavations: <ul style="list-style-type: none"> EX02B112B_R2 EX02B456 Post excavation sampling Waste stockpiling GWS Follow-up Investigations 	<ul style="list-style-type: none"> Continue excavations: <ul style="list-style-type: none"> EX02B112B_R2 EX02B456 Post excavation sampling Waste stockpiling 	No fieldwork	No fieldwork
06/01/2020 Monday	06/02/2020 Tuesday	06/03/2020 Wednesday	06/04/2020 Thursday	06/05/2020 Friday	06/06/2020 Saturday	06/07/2020 Sunday
<ul style="list-style-type: none"> Pre-Excavation GWS Continue excavations: EOS-01 (ESS/RAD), EOS-02 (RAD)Post excavation sampling Waste stockpiling GWS Follow-up Investigations Rad Controls and support (all week) UXO support (all week) Air monitoring (all week) BMP Inspection/site maintenance (Daily) 	<ul style="list-style-type: none"> Weekly CQC Meeting Pre-Excavation GWS Continue excavations: EOS-01 (ESS/RAD), EOS-02 (RAD)Post excavation sampling Waste stockpiling GWS Follow-up Investigations RAD Sample (Systematic & Biased) 	<ul style="list-style-type: none"> Pre-Excavation GWS Continue excavations: EOS-01 (ESS/RAD), EOS-02 (RAD) Post excavation sampling Waste stockpiling GWS Follow-up Investigations 	<ul style="list-style-type: none"> Pre-Excavation GWS Continue excavations: EOS-01 (ESS/RAD), EOS-02 (RAD) Post excavation sampling Waste stockpiling GWS Follow-up Investigations 	No fieldwork**	No fieldwork	No fieldwork
06/08/2020 Monday	06/09/2020 Tuesday	06/10/2020 Wednesday	06/11/2020 Thursday	06/12/2020 Friday	06/13/2020 Saturday	06/14/2020 Sunday
<ul style="list-style-type: none"> Pre-Excavation GWS Continue excavations: EOS-01 (ESS/RAD), EOS-02 (RAD)Post excavation sampling Waste stockpiling GWS Follow-up Investigations Rad Controls and support (all week) UXO support (all week) Air monitoring (all week) BMP Inspection/site maintenance (Daily) 	<ul style="list-style-type: none"> Weekly CQC Meeting Pre-Excavation GWS Continue excavations: EOS-01 (ESS/RAD), EOS-02 (RAD)Post excavation sampling Waste stockpiling GWS Follow-up Investigations RAD Sample (Systematic & Biased) 	<ul style="list-style-type: none"> Pre-Excavation GWS Continue excavations: EOS-01 (ESS/RAD), EOS-02 (RAD) Post excavation sampling Waste stockpiling GWS Follow-up Investigations 	<ul style="list-style-type: none"> Pre-Excavation GWS Continue excavations: EOS-01 (ESS/RAD), EOS-02 (RAD) Post excavation sampling Waste stockpiling GWS Follow-up Investigations 	No fieldwork**	No fieldwork	No fieldwork

*Subject to change based on field conditions and pending resolution of FCRs

** APTIM will work four, 10-hour days unless otherwise noted